

SITUATION REPORT NO. 5
INCIDENT NO. 2006-016
DATE: April 5, 2006 Time: 5:00 p.m.

TO: Governor John Hoeven
State Capitol
Bismarck ND 58505

1. NATURE OF DISASTER: **Spring Flooding** – The rapid snowmelt of heavy winter snow accumulations, compounded by spring rains and sudden warm temperatures, is causing spring flooding along the Red River Valley.
2. DEATHS AND INJURIES: No change from previous reports.
3. DAMAGES:

Flood Projections by River (updated April 5, at 1:30 p.m.)

For more information log on to <http://www.crh.noaa.gov/ahps2/index.php?wfo=fgf>

Major Flooding
Moderate Flooding
Minor Flooding
Near Flood Stage
No Flooding

Location	Flood Stage	April 5	April 6	April 7	April 8	April 9	April 10	April 11	April 12
Wild Rice River at Abercrombie	10 feet	21.65 feet	19.9 feet	18.5 feet	16.9 feet	14.8 feet	12.3 feet	9.7 feet	7.4 feet
Sheyenne River at Kindred	16 feet	7.4 feet	5.5 feet	4.8 feet	4.7 feet	4.5 feet	4.3 feet	4.3 feet	4.3 feet
Sheyenne River at West Fargo	18 feet	20.9 feet	20.4 feet	19.9 feet	19.3 feet	18.8 feet	18.3 feet	17.7 feet	17.3 feet
Sheyenne River at Harwood	884 feet	891 feet	890.8 feet	890.6 feet	890.3 feet	889.8 feet	889.4 feet	888.9 feet	888.4 feet
Maple River at Enderlin	9.5 feet	8.7 feet	8.1 feet	7.4 feet	6.8 feet	6.1 feet	5.5 feet	4.8 feet	4.3 feet
Maple River at Mapleton	905.5 feet	907.3 feet	906.8 feet	906.4 feet	905.9 feet	905.4 feet	904.9 feet	904.3 feet	903.9 feet
Goose River at Hillsboro	10 feet	9.2 feet	7.3 feet	5.8 feet	5 feet	4.3 feet	3.8 feet	3.4 feet	3.4 feet

Location	Flood Stage	April 5	April 6	April 7	April 8	April 9	April 10	April 11	April 12
Red River at Wahpeton	10 feet	13.5 feet	13.1 feet	12.8 feet	12.6 feet	12.2 feet	11.9 feet	11.6 feet	11.3 feet
Red River at Fargo	18 feet	37.1 feet	36.6 feet	35.6 feet	34.6 feet	33.6 feet	32.6 feet	31.5 feet	30.8 feet
Red River at East Grand Forks	28 feet	47.8 feet	48 feet	47.8 feet	47.2 feet	46.4 feet	45.4 feet	44.4 feet	43.5 feet
Red River at Oslo	26 feet	37.6 feet	37.7 feet	38 feet	37.7 feet	37.7 feet	37.7 feet	37.6 feet	37.5 feet
Red River at Drayton	32 feet	38.9 feet	41.4 feet	42.4 feet	42.8 feet	42.9 feet	43 feet	43 feet	42.9 feet
Red River at Pembina	42 feet	43.3 feet	45.5 feet	46.7 feet	47.3 feet	47.8 feet	48.1 feet	48.4 feet	48.5 feet
Forest River at Minto	6 feet	4.1 feet	4 feet	4 feet	3.9 feet	3.7 feet	3.6 feet	3.4 feet	3.4 feet
Park River at Grafton	12 feet	11.1 feet	10.4 feet	9.9 feet	9.6 feet	9.3 feet	9.1 feet	9 feet	9 feet
Souris River Basin at Willow City	10 feet	13.2 feet	12.7 feet	12.5 feet	12.2 feet	12 feet	11.7 feet	11.5 feet	11.3 feet
Souris River at Westhope	10 feet	9.3 feet	9.4 feet	9.4 feet	9.4 feet	9.4 feet	9.4 feet	9.4 feet	9.3 feet
Pembina River at Neche	18 feet	9.6 feet	12.6 feet	16.1 feet	18.8 feet	20.4 feet	21.5 feet	22.4 feet	22.7 feet
Pembina River at Walhalla	11 feet	6.7 feet	9.2 feet	11.2 feet	12.2 feet	12.4 feet	12.5 feet	12.5 feet	12.4 feet

The National Weather Service (NWS) forecasted rain to spread into the upper Red River Basin late tonight as another weather system approaches from the southwest. Forecasts for April 6-11 indicate a chance of thunderstorms south of N.D. Highway 200 in North Dakota on April 6. Heavy rain totaling as much as one half of an inch may prolong current flood conditions through the end of next week.

Cass County

The Emergency Manager reported the Red River crested at Fargo on April 4, at 37.18 feet. The river is expected to stay around that level through April 5, before it begins to drop. A Crisafulli pump broke down April 4, but is expected to be fixed April 5; it is one of three Crisafulli pumps placed near Cass County Road 20.

Pembina County

On April 5, the Emergency Manager reported the Red River at Pembina is over flood stage at 42.62 feet; ice is moving from a bridge well and is breaking up south of the location. Overland flooding is occurring in the northeastern portion of the county.

A city of Cavalier official reported the Tongue River is high with some ice in the channel; however, the river at this point does not pose a major threat. Upstream

at Renwick Dam, a Park Ranger reported the lake is four feet over full pool, which is typical for a spring melt. The dam may be impacted by water flowing from Cavalier County, based on the projected weather pattern. Additionally, the ranger advised monitoring the Herzog and Senator Young Dams since they contained significant snow pack during the past weekend. The Park Ranger felt that the Tongue River at Bathgate may remain high in response to local runoff.

Trail County

The Goose River is receding in the western part of the county and has crested and is dropping at Hillsboro. The Red River continues to rise and is expected to crest on April 5. The Hendrum, Shelley, Neilsville and Climax bridges into Minnesota are all closed due to high water. The only bridge open into Minnesota is on N.D. Highway 200 at Halstad. Three homes have been sandbagged along the Red River southeast of Hillsboro.

Walsh County

The Emergency Manager reported the Red River is spreading into low-lying areas at several locations. There is some concern with the Park River in Grafton remaining at the same level. Because some farms lost power, officials plan to take an electrician by boat to those locations to assist with restoration.

4. RESOURCES:

LOCAL: No change from previous reports.

STATE: No change from previous reports.

FEDERAL: The Federal Emergency Management Agency (FEMA) of the US Department of Homeland Security (DHS) has been monitoring reports.

5. VOLUNTEER ACTION: In Fargo/Cass County, the American Red Cross and Salvation Army have flood clean up kits and information available.
6. MAJOR ACTIONS: Governor John Hoeven, the State Water Commission Engineer and the N.D. Division of Homeland Security Director on April 5 made an aerial inspection of the Red River Valley along the border from Walsh County to Grand Forks, and later took a ground tour of flood-affected areas of the city. They met with the Grand Forks Mayor and other city and county officials to discuss flood conditions in the region and the community's preparedness for cresting waters. The Red River in Grand Forks is expected to crest at about 48 feet by April 6.

On April 4, Governor John Hoeven, along with city and county officials in Fargo, reviewed dikes, equipment and sandbagging efforts to stave off flooding from the Red River, its tributaries and overland flooding.

On April 5, the State Operations Center (SOC) received the following updates from the respective agencies:

North Dakota National Guard (NDNG)

The NDNG currently has five soldiers on duty conducting maintenance and repositioning equipment to Grand Forks. Engineering equipment includes: two dozers, one loader, one grader, four 20-ton dumps, and one sandbag machine. Liaison Officers are working with emergency managers, and the NDNG's Quick Response volunteer lists have been updated.

To date, 28 NDNG personnel were involved in Lidgerwood Dike response this past weekend; eight soldiers supported dike patrol operations in Wahpeton; March 31–April 3

ND Highway Patrol (NDHP)

In addition to other locations previously reported, troopers are monitoring Harwood area of I-29, where water is over the roadway.

ND State Water Commission (SWC)

SWC engineers continue to monitor and provide technical support.

ND Civil Air Patrol (CAP)

CAP pilots conducted an aerial over-flight on April 3 and provided pictures to Cass County and SOC officials.

ND Department of Transportation (NDDOT)

NDDOT provided the following update on road conditions:

- The N.D. Highway 44 is closed through Drayton due to diking on the roadway as a flood prevention measure for the town.
- Water is crossing the roadway of N.D. Highway 54 east of I-29 (west of Oslo, MN.). Through-traffic is being allowed at this time; NDDOT is monitoring the conditions.
- I- 29 at Harwood has water over the road. Local officials are working with NDDOT officials regarding traffic control. Vehicles are being allowed to travel through the water on the roadway; however, if conditions worsen, traffic will be detoured.
- On N.D. Highway 18, at mile post (mp) 8, south of Highway 11 in the Lidgerwood area, water is close to roadways. Signs have been posted and traffic speeds reduced. (Lidgerwood)
- On U.S. Highway 81, mps 216 and 217, north of Glaston to Hamilton, water is on the roadway and traffic speeds are reduced.
- I-29 is flooded with traffic allowed, from Main Avenue to Gardner.
- North Dakota Highway 66 is closed between Drayton and the Red River due to flooding and debris on the highway.

U.S. Army Corps of Engineers (USACE)

On April 5, USACE officials reported construction has been completed on an emergency levee in Grand Forks. A contractor is on standby. Emergency levee work has also been completed in Harwood and Lidgerwood. Additionally, flood engineers are providing technical assistance to Grand Forks city officials. An emergency levee construction contract was issued on April 3 for the city of

Drayton. Work is expected to be completed April 5. The USACE also provided one hydraulic pump to the city of Harwood and two floating pumps to North River.

Cass County

On April 5, the Fargo Emergency Manager reported the predicted rain is expected to cause some localized street flooding and perhaps hold the river at crest level. The street department continues to try to scrape clay from the roads near the earthen dikes. The Engineer's Office is preparing a package for earthen dike removal and contracts for sandbag removal from the curbs. Environmental health officials are putting together clean up information as well.

Grand Forks

The Grand Forks Emergency Operations Center (EOC) has extended its hours from 8:00 a.m. to 8:00 p.m. The Thompson Bridge into Polk County was closed at 11:00 p.m., Monday, April 3. The City of Manvel has resumed sandbagging operations for rural residents. The residents of the L & S subdivision are continuing to sandbag their homes due to the rising Red River.

Pembina County

On April 5, officials in Niche reported they are concerned with preliminary projections and are making plans to build a dike to close off the south end town.

On April 3, the city of Drayton declared an emergency.

7. ASSISTANCE NEEDED: No assistance is needed.
8. OUTSIDE HELP ON SCENE: No outside help is on scene.
9. OTHER INFORMATION: The N.D. Division of Homeland Security's Situation Reports are posted on the Division's Internet home page. The address is <http://www.state.nd.us/des>.

Greg Wilz, Director
N.D. Division of Homeland Security